



ArcelorMittal

Declaration of Performance
(according to regulation EU No 305/2011)

No. AMW-3/06-CPR-15-1

1) Code of the product type: **S460NL**

According EN 10025-3

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Warszawa Sp. z o.o.

Ul. Kasprzowicza 132

01-949 Warsaw - Poland

Tel: +48 (22) 835 8000

Fax: +48 (22) 835 4222

www.arcelormittal-warszawa.com

sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:
System 2+

Notified factory production control certification body No. 1436 Institution for Research and Certification (ZETOM) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificates of conformity of the factory production control.

The performance of the product identified in point 1 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 2. Signed for and on behalf of the manufacturer by:

Dorota Pietrzyk
Head of Quality Control Dept.

Date : 19.01.2015

Essential characteristic		Performance	Harmonised technical specification
Tolerances on dimensions and shape	Angles	EN10056-2	EN 10025-1:2004
	I and H sections	EN 10034	
	Tapered Flange I	EN 10024	
	UPE, UPN	EN 10279	
Yield strength	Flat / Square / Round / T bars	EN 10058/EN 10059/EN 10060/EN 10055	
	Nominal thickness (mm)	Values (MPa)	
	>	min	
	≤		
	16	460	
	40	440	
	63	430	
	80	410	
	100	400	
	140	380	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	>	min max	
	≤		
	40	540 720	
	63	540 720	
	80	540 720	
	100	540 720	
	140	530 710	
Elongation	Nominal thickness (mm)	Values (%)	
	>	min 17	
Impact strength	Nominal thickness (mm)	Values (J)	
	>	min 27 at -50°C	
Weldability	Nominal thickness (mm)	Values (%)	
	>	max	
	≤		
	63	0,53	
	100	0,54	
	140	0,55	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	>	min max	
	≤		
	140	C : 0,22 Ti : 0,06	
		Si : 0,65 Cr : 0,35	
		P : 0,030 Mo : 0,13	
		S : 0,025 Ni : 0,85	Mn : 1,80
		Nb : 0,06 Cu : 0,60	
		V : 0,22 N : 0,027	



ArcelorMittal

Declaration of Performance
(according to regulation EU No 305/2011)

No. AMW-3/05-CPR-15-1

1) Code of the product type: **S460N**

According EN 10025-3

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

2) ArcelorMittal Warszawa Sp. z o.o.

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Essential characteristic		Performance	Harmonised technical specification
Tolerances on dimensions and shape	Angles	EN10056-2	
	I and H sections	EN 10034	
	Tapered Flange I	EN 10024	
	UPE, UPN	EN 10279	
	Flat / Square / Round / T bars	EN 10058/EN 10059/EN 10060/EN 10055	
Yield strength	Nominal thickness (mm)	Values (MPa)	
	>	min	
	≤	460	
	16	440	
	40	430	
	63	410	
	80	400	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	>	min	
	≤	max	
	40	540	
	63	540	
	80	540	
	100	530	
Elongation	Nominal thickness (mm)	Values (%)	EN 10025-1:2004
	>	min	
Impact strength	Nominal thickness (mm)	Values (J)	
	>	min	
	≤	20 at -20°C	
	140	Values (%)	
Weldability	Nominal thickness (mm)	Values (%)	
	>	max	
	≤	0.53	
	63	0.54	
	100	0.55	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	>	min	
	≤	max	
	140	C : 0,22 Ti : 0,06	
	≤	Si : 0,65 Cr : 0,35	
		P : 0,035 Mo : 0,13	
		S : 0,030 Ni : 0,85	
		Nb : 0,06 Cu : 0,60	
		V : 0,22 N : 0,027	
		Mn : 0,95 Mn : 1,80	



ArcelorMittal

Declaration of Performance
(according to regulation EU No 305/2011)

No. AMW-3/04-CPR-15-1

1) Code of the product type: **S355NL**

According EN 10025-3

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

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Essential characteristic		Performance	Harmonised technical specification	
Tolerances on dimensions and shape	Angles	EN10056-2		
	I and H sections	EN 10034		
	Tapered Flange I	EN 10024		
	UPE, UPN	EN 10279		
	Flat / Square / Round / T bars	EN 10058/EN 10059/EN 10060/EN 10055		
Yield strength	Nominal thickness (mm)	Values (MPa)		
	>	min		
	≤	max		
	16	355		
	40	345		
	63	335		
	80	325		
Tensile strength	Nominal thickness (mm)	Values (MPa)		
	>	min		max
	100	470		630
	140	450		600
	Nominal thickness (mm)	Values (%)		
Elongation	>	min		
	≤	max		
	40	22		
	63	22		
	100	21		
Impact strength	Nominal thickness (mm)	Values (J)		
	>	min		
	≤	27 at -50°C		
	Nominal thickness (mm)	Values (%)		
	>	max		
Weldability	Nominal thickness (mm)	Values (%)		
	>	max		
	63	0.43		
	100	0.45		
	140	0.45		
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)		
	>	min		max
	≤	max		
	140	C : 0,20 Si : 0,55 Ti : 0,06 Cr : 0,35 Mo : 0,13 Ni : 0,55		P : 0,030 S : 0,025 Nb : 0,06 V : 0,14 Cu : 0,60 N : 0,017
		Mn : 0,85		Mn : 1,75



ArcelorMittal

Declaration of Performance
(according to regulation EU No 305/2011)

No. AMW-3/03-CPR-15-1

1) Code of the product type: **S355N**

According EN 10025-3

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

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Essential characteristic		Performance	Harmonised technical specification
Tolerances on dimensions and shape	Angles	EN10056-2	
	I and H sections	EN 10034	
	Tapered Flange I	EN 10024	
	UPE, UPN	EN 10279	
Yield strength	Flat / Square / Round / T bars	EN 10058/EN 10059/EN 10060/EN 10055	
	Nominal thickness (mm)	Values (MPa)	
	>	min	
	≤	max	
Tensile strength	16	355	
	40	345	
	63	335	
	80	325	
Elongation	100	315	
	140	295	
	Nominal thickness (mm)	Values (MPa)	
	>	min	
Impact strength	100	470	
	140	630	
	Nominal thickness (mm)	Values (%)	
	>	min	
Weldability	40	22	
	63	22	
	100	21	
	140	21	
Durability (Chemical composition)	Nominal thickness (mm)	Values (J)	
	>	min	
	≤	max	
	140	40 at -20°C	
	Nominal thickness (mm)	Values (%)	
	>	min	
	≤	max	
	63	0,43	
	100	0,45	
	140	0,45	
	Nominal thickness (mm)	Values (%)	
	>	min	
	≤	max	
	140	C : 0,22	
		P : 0,035	
		S : 0,030	
		Ti : 0,06	
		Nb : 0,06	
		Cr : 0,35	
		V : 0,14	
		Mo : 0,13	
		Cu : 0,60	
		Ni : 0,55	
		N : 0,017	
		Mn : 0,85	

EN 10025-1:2004



ArcelorMittal

Declaration of Performance
(according to regulation EU No 305/2011)

No. AMW-2/09-CPR-13-1

Code of the product type: **1.0577**

1) Type: **Sections/Bars S355J2 according EN 10025-2**

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Warszawa Sp. z o.o.

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System of assessment and verification of constancy of performance of the product:

System 2+

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The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Dorota Pielrzyk

Head of Quality Control Dept.

Date : 01.07.2013

Essential characteristic		Performance	Harmonised technical specification
Tolerances on dimensions and shape	Angles	EN10056-2	EN 10025-1:2004
	I and H sections	EN 10034	
	Tapered Flange I	EN 10024	
	UPE, UPN	EN 10279	
Yield strength	Flat / Square / Round / T bars	EN 10058/EN 10059/EN 10060/EN 10055	
	Nominal thickness (mm)	Values (MPa)	
	>	min	
	≤	max	
Tensile strength	16	355	
	40	345	
	63	335	
	80	325	
Elongation	100	315	
	140	295	
	Nominal thickness (mm)	Values (MPa)	
	>	min	
Impact strength	100	470	
	140	450	
	Nominal thickness (mm)	Values (%)	
	>	min	
Weldability	16	22	
	40	21	
	63	20	
	100	18	
Durability (Chemical composition)	140	Values (J)	
	>	min	
	≤	max	
	140	27 at -20°C	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	>	max	
	30	0.45	
	40	0.47	
Durability (Chemical composition)	140	0.47	
	Nominal thickness (mm)	Values (%)	
	>	max	
	140	C* : 0.20 Cu : 0.55	
Durability (Chemical composition)		Si : 0.55 S : 0.030	
		Mn : 1.60 P : 0.030	
* For nominal thickness > 30 mm C: 0.22. For nominal thickness > 100 mm: C content upon agreement. Fully killed steel containing nitrogen binding element in amounts sufficient to bind the available nitrogen (for example min. 0.02% Al)			



ArcelorMittal

Declaration of Performance
(according to regulation EU No 305/2011)

No. AMW-2/08-CPR-13-1

Code of the product type: **1.0553**

1) Type: **Sections/Bars S355J0 according EN 10025-2**

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

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System of assessment and verification of constancy of performance of the product:
System 2+

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Dorota Pietrzyk
Head of Quality Control Dept.

Date : 01.07.2013

Essential characteristic		Performance	Harmonised technical specification
Tolerances on dimensions and shape	Angles	EN10056-2	EN 10025-1:2004
	I and H sections	EN 10034	
	Tapered Flange I UPE, UPN	EN 10024 EN 10279	
	Flat / Square / Round / T bars	EN 10058/EN 10059/EN 10060/EN 10055	
Yield strength	Nominal thickness (mm)	Values (MPa)	
	>	min	
	16	355	
	16	345	
	40	335	
	63	325	
Tensile strength	80	315	
	100	295	
	Nominal thickness (mm)	Values (MPa)	
	>	min	max
	≥3	470	630
	100	450	600
Elongation	Nominal thickness (mm)	Values (%)	
	>	min	
	≥3	22	
	40	21	
	63	20	
	100	18	
Impact strength	Nominal thickness (mm)	Values (J)	
	>	min	
	140	27 at 0°C	
Weldability	Nominal thickness (mm)	Values (%)	
	>	max	
	30	0,45	
	40	0,47	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	>	max	
	140	C* : 0,20 Si : 0,55 Mn : 1,60 P : 0,035	
		Cu : 0,55 S : 0,035 N** : 0,012	
* For nominal thickness > 30 mm C: 0,22. For nominal thickness >100 mm: C content upon agreement			
** The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020% or if sufficient other N binding elements are present			



ArcelorMittal

Declaration of Performance
(according to regulation EU No 305/2011)

No. AMW-2/07-CPR-13-1

Code of the product type: **1.0045**

1) Type: **Sections/Bars S355JR according EN 10025-2**

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

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Date : 01.07.2013

Essential characteristic		Performance	Harmonised technical specification
Tolerances on dimensions and shape	Angles	EN10056-2	EN 10025-1:2004
	I and H sections	EN 10034	
	Tapered Flange I	EN 10024	
	UPE, UPN	EN 10279	
	Flat / Square / Round / T bars	EN 10058/EN 10059/EN 10060/EN 10055	
Yield strength	Nominal thickness (mm)	Values (MPa)	
	>	min	
	≤	max	
	16	355	
	40	345	
	63	335	
	80	325	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	>	min	
	≤	max	
	100	470	
	140	450	
	600	600	
	600	600	
Elongation	Nominal thickness (mm)	Values (%)	
	>	min	
	≤	max	
	3	22	
	40	21	
	63	20	
	100	18	
Impact strength	Nominal thickness (mm)	Values (J)	
	>	min	
	≤	max	
	140	27 at +20°C	
Weldability	Nominal thickness (mm)	Values (%)	
	>	max	
	≤	max	
	30	0,45	
	40	0,47	
	140	0,47	
	140	0,47	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	>	max	
	≤	max	
	140	Cu : 0,24	
	140	Si : 0,55	
		Mn : 1,60	
		N** : 0,012	
		P : 0,040	
* For nominal thickness >100 mm: C content upon agreement.			
** The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020% or if sufficient other N binding elements are present			



ArcelorMittal

Declaration of Performance
(according to regulation EU No 305/2011)

- No. AMW-2/06-CPR-13-1
- Code of the product type: **1.0145**
- 1) Type: **Sections/Bars S275J2 according EN 10025-2**
- Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:
To be used in welded, bolted and riveted structures
- 2)
- 3) ArcelorMittal Warszawa Sp. z o.o.
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System of assessment and verification of constancy of performance of the product:
System 2+

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Date : 01.07.2013

Essential characteristic		Performance	Harmonised technical specification
Tolerances on dimensions and shape	Angles	EN10056-2	EN 10025-1:2004
	I and H sections	EN 10034	
	Tapered Flange I	EN 10024	
	UPE, UPN	EN 10279	
Yield strength	Flat / Square / Round / T bars	EN 10058/EN 10059/EN 10060/EN 10055	
	Nominal thickness (mm)	Values (MPa)	
	>	min	
	≤	max	
	16	275	
	40	265	
	63	255	
Tensile strength	80	245	
	100	235	
	140	225	
	Nominal thickness (mm)	Values (MPa)	
	>	min	
	≤	max	
	≥3	410	
Elongation	100	400	
	140	540	
	Nominal thickness (mm)	Values (%)	
	>	min	
	≤	max	
	≥3	23	
	40	22	
Impact strength	63	21	
	100	19	
	140	19	
	Nominal thickness (mm)	Values (J)	
	>	min	
	≤	max	
	140	27 at -20°C	
Weldability	Nominal thickness (mm)	Values (%)	
	>	max	
	≤	max	
	30	0,40	
	40	0,40	
	140	0,42	
	Durability (Chemical composition)	Values (%)	
>	max		
140	C* : 0,18 Mn : 1,50 P : 0,030 Cu : 0,55 S : 0,030		
* For nominal thickness > 100 mm: C content upon agreement. Fully killed steel containing nitrogen binding element in amounts sufficient to bind the available nitrogen (for example min. 0.02% Al)			



ArcelorMittal

Declaration of Performance
(according to regulation EU No 305/2011)

No. AMW-2/05-CPR-13-1

Code of the product type: **1.0143**

1) Type: **Sections/Bars S275J0 according EN 10025-2**

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:
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Essential characteristic		Performance	Harmonised technical specification
Tolerances on dimensions and shape	Angles	EN10056-2	EN 10025-1:2004
	I and H sections	EN 10034	
	Tapered Flange I	EN 10024	
	UPE, UPN	EN 10279	
	Flat / Square / Round / T bars	EN 10058/EN 10059/EN 10060/EN 10055	
Yield strength	Nominal thickness (mm)	Values (MPa)	
	>	min	
	≤	min	
	16	275	
	40	265	
	63	255	
	80	245	
Tensile strength	100	235	
	140	225	
	Nominal thickness (mm)	Values (MPa)	
	>	min	
	≤	min	
	100	410	
	140	400	
Elongation	Nominal thickness (mm)	Values (%)	
	>	min	
	≤	min	
	140	23	
	40	22	
	63	21	
	100	19	
Impact strength	Nominal thickness (mm)	Values (J)	
	>	min	
	≤	min	
Weldability	140	27 at 0°C	
	Nominal thickness (mm)	Values (%)	
	>	max	
	≤	max	
	30	0,40	
	40	0,40	
	140	0,42	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	>	max	
	140	C* : 0,18	
		Cu : 0,55	
			Mn : 1,50
			S : 0,035
			P : 0,035
			N** : 0,012
* For nominal thickness >100 mm: C content upon agreement.			
** The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020% or if sufficient other N binding elements are present			



ArcelorMittal

Declaration of Performance
(according to regulation EU No 305/2011)

No. AMW-2/04-CPR-13-1

Code of the product type: **1.0044**

2) Type: **Sections/Bars S275JR according EN 10025-2**

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

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System 2+

Notified factory production control certification body No. 1436 Institution for Research and Certification (ZETOM) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Dzrota Pietrzyk
Head of Quality Control Dept.

Date : 01.07.2013

Essential characteristic		Performance	Harmonised technical specification
Tolerances on dimensions and shape	Angles	EN10056-2	EN 10025-1:2004
	I and H sections	EN 10034	
	Tapered Flange I	EN 10024	
	UPE, UPN	EN 10279	
Yield strength	Flat / Square / Round / T bars	EN 10058/EN 10059/EN 10060/EN 10055	
	Nominal thickness (mm)	Values (MPa)	
	>	min	
	≤	max	
	16	275	
	40	265	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	>	min	
	≤	max	
	16	410	
	40	560	
	100	540	
Elongation	Nominal thickness (mm)	Values (%)	
	>	min	
	≤	max	
	16	23	
	40	22	
	63	21	
Impact strength	Nominal thickness (mm)	Values (J)	
	>	min	
	≤	max	
	16	27 at +20°C	
	Nominal thickness (mm)	Values (%)	
	>	max	
Weldability	Nominal thickness (mm)	Values (%)	
	>	max	
	≤	max	
	30	0.40	
	40	0.40	
	140	0.42	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	>	max	
	≤	max	
	140	C* : 0,21 Mn : 1,50 P : 0,040	
		Cu : 0,55 S : 0,040 N** : 0,012	
* For nominal thickness > 40 mm C: 0.22. For nominal thickness >100 mm: C content upon agreement			
** The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0.020% or if sufficient other N binding elements are present			



ArcelorMittal

Declaration of Performance
(according to regulation EU No 305/2011)

No. AMW-2/03-CPR-13-1

Code of the product type: 1.0117

1) Type: Sections/Bars S235J2 according EN 10025-2

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Warszawa Sp. z o.o.

Ul. Kasprzowicza 132

01-949 Warsaw - Poland

Tel: +48 (22) 835 8000

Fax: +48 (22) 835 4222

www.arcelormittal-warszawa.com

sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:

System 2+

Notified factory production control certification body No. 1436 Institution for Research and Certification (ZETOM) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Dorota Pietrzyk

Head of Quality Control Dept.

Date : 01.07.2013

Essential characteristic		Performance	Harmonised technical specification
Tolerances on dimensions and shape	Angles	EN10056-2	EN 10025-1:2004
	I and H sections	EN 10034	
	Tapered Flange I	EN 10024	
	UPE, UPN	EN 10279	
	Flat / Square / Round / T bars	EN 10058/EN 10059/EN 10060/EN 10055	
Yield strength	Nominal thickness (mm)	Values (MPa)	
	>	min	
	16	235	
	40	225	
	63	215	
	80	215	
Tensile strength	100	195	
	140	195	
	Nominal thickness (mm)	Values (MPa)	
	>	min	
	3	360	
	100	510	
Elongation	140	350	
	500	500	
	Nominal thickness (mm)	Values (%)	
	>	min	
	3	26	
	40	25	
Impact strength	63	24	
	100	22	
	140	22	
	Nominal thickness (mm)	Values (J)	
	>	min	
	140	27 at -20°C	
Weldability	Nominal thickness (mm)	Values (%)	
	>	max	
	30	0.35	
	40	0.35	
	140	0.38	
	Nominal thickness (mm)	Values (%)	
Durability (Chemical composition)	>	max	
	140	C* : 0,17	
		Mn : 1,40	
		P : 0,030	
		S : 0,030	
		Cu : 0,55	
* For nominal thickness >100 mm: C content upon agreement. Fully killed steel containing nitrogen binding element in amounts sufficient to bind the available nitrogen (for example min. 0.02% Al)			



1) No. AMW-2/02-CPR-13-1
Code of the product type: **1.0114**

2) **Type: Sections/Bars S235J0 according EN 10025-2**
Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:
To be used in welded, bolted and riveted structures

3) ArcelorMittal Warszawa Sp. z o.o.
Ul. Kasprowicz 132
01-949 Warszawa - Poland
Tel: +48 (22) 835 8000
Fax: +48 (22) 835 4222
www.arcelormittal-warszawa.com
sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:
System 2+

Notified factory production control certification body No. 1436
Institution for Research and Certification (ZETOM) performed
the initial inspection of the manufacturing plant and of factory
production control and the continuous surveillance,
assessment, and evaluation of factory production control and
issued the certificate of conformity of the factory production
control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Dorota Pietrzyk
Head of Quality Control Dept.

Date : 01.07.2013

Essential characteristic		Performance	Harmonised technical specification
Tolerances on dimensions and shape	Angles	EN10056-2	EN 10025-1:2004
	I and H sections	EN 10034	
	Tapered Flange I	EN 10024	
	UPE, UPN	EN 10279	
	Flat / Square / Round / T bars	EN 10058/EN 10059/EN 10060/EN 10055	
Yield strength	Nominal thickness (mm)	Values (MPa)	
	>	min	
		235	
	16	225	
	40	215	
Tensile strength	Nominal thickness (mm)	Values (MPa)	
	>	min	
	3	360	
	100	350	
		510	
Elongation	Nominal thickness (mm)	Values (%)	
	>	min	
	3	26	
	40	25	
	100	24	
Impact strength	Nominal thickness (mm)	Values (J)	
	>	min	
		27 at 0°C	
		Values (%)	
		max	
Weldability	Nominal thickness (mm)	Values (%)	
	>	max	
	30	0,35	
	40	0,35	
	140	0,38	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	>	max	
	140	C* : 0,17 Mn : 1,40 P : 0,035	
		Cu : 0,55 S : 0,035 N** : 0,012	
* For nominal thickness >100 mm: C content upon agreement. ** The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0,020% or if sufficient other N binding elements are present			



ArcelorMittal

Declaration of Performance
(according to regulation EU No 305/2011)

No. AMW-2/01-CPR-13-1

Code of the product type: **1.0038**

2) Type: **Sections/Bars S235JR according EN 10025-2**

Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

To be used in welded, bolted and riveted structures

3) ArcelorMittal Warszawa Sp. z o.o.

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sections.arcelormittal.com

System of assessment and verification of constancy of performance of the product:
System 2+

Notified factory production control certification body No. 1436
Institution for Research and Certification (ZETOM) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment, and evaluation of factory production control and issued the certificate of conformity of the factory production control.

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3. Signed for and on behalf of the manufacturer by:

Dorota Pielczyk
Head of Quality Control Dept.

Date : 01.07.2013

Essential characteristic		Performance	Harmonised technical specification
Tolerances on dimensions and shape	Angles	EN10056-2	EN 10025-1:2004
	I and H sections	EN 10034	
	Tapered Flange I	EN 10024	
	UPE, UPN	EN 10279	
Yield strength	Flat / Square / Round / T bars	EN 10058/EN 10059/EN 10060/EN 10055	
	Nominal thickness (mm)	Values (MPa)	
	>	min	
	≤	235	
	16	40	
	40	63	
Tensile strength	63	80	
	80	100	
	100	140	
	Nominal thickness (mm)	Values (MPa)	
	>	min	
	≤	360	
Elongation	100	140	
	Nominal thickness (mm)	Values (%)	
	>	min	
	≤	26	
	3	40	
	40	63	
Impact strength	63	100	
	100	140	
	Nominal thickness (mm)	Values (J)	
	>	min	
	≤	27 at +20°C	
	140	Values (%)	
Weldability	Nominal thickness (mm)	Values (%)	
	>	max	
	≤	0.35	
	30	40	
	40	140	
	Nominal thickness (mm)	Values (%)	
Durability (Chemical composition)	Nominal thickness (mm)	Values (%)	
	>	max	
	≤	C* : 0,17	
	140	Cu : 0,55	
		Mn : 1,40	
		P : 0,040	
* For nominal thickness > 40 mm C: 0.20. For nominal thickness >100 mm: C content upon agreement			
** The max. value for nitrogen does not apply if the chemical composition shows a minimum total Al content of 0.020% or if sufficient other N binding elements are present			